

CLAIMS

WHAT IS CLAIMED IS:

1. A computer-implemented method for linking a semiconductor product manufacturing facility demand planning system with a quotation system, the method comprising:
 - updating the quotation system including at least a first raw material product and its quote amount;
 - storing the quote amount associated with the first raw material product;
 - providing the product manufacturing facility demand planning system that identifies at least the first raw material product and desired quantity to produce a finished product; and
 - calculating a demand planning system price associated with the first raw material product by
 - accessing the quote amount associated with the first raw material product from the quotation system, and
 - determining the demand planning system price based on the quote amount associated with the first raw material product and the desired quantity identified in the product manufacturing facility demand planning system.
2. The computer-implemented method of claim 1 wherein the product manufacturing facility demand planning system comprises a semiconductor foundry.
3. The computer-implemented method of claim 1 wherein the quote amount is stored in a quotation system database.
4. The computer-implemented method of claim 3, further comprising:
 - storing information associated with the first raw material product in a product database.

5. The computer-implemented method of claim 4, further comprising:
 updating a mapping system with information from the quotation system database
 and the product database associated with the first raw material product.
6. The computer-implemented method of claim 5, wherein the mapping database is updated automatically when the quotation system database is changed.
7. The computer-implemented method of claim 5, wherein the mapping database is updated automatically when a new quotation is entered into the quotation system database utilizing a database trigger.
8. The computer-implemented method of claim 5, wherein the mapping database is updated automatically when a new quotation is entered into the quotation system database utilizing a auto-call function.
9. The computer-implemented method of claim 5, wherein the mapping database is updated automatically when the product database is changed.
10. The computer-implemented method of claim 1, further comprising:
 receiving a quote amount for a second raw material product;
 storing the quote amount associated with the second raw material product; and
 calculating a demand planning system price associated with the second raw material product, wherein the demand planning system identifies at least the first raw material product and the second raw material product prices and desired respective quantities, by
 accessing the stored quote amount associated with the second raw material product, and

determining the demand planning system price for the second raw material product based on the stored quote amount associated with the second raw material product and the desired quantity identified in the product manufacturing facility demand planning system.

11. The computer-implemented method of claim 10, wherein the quote amount associated with the first raw material product and the quote amount associated with the second raw material product are in the same quotation system.

12. A computer-implemented method for linking a semiconductor product manufacturing facility demand planning system with a quotation system, the method comprising:
providing the quotation system with at least two raw material products and their respective quote amounts;
storing the two quote amounts;
providing the product manufacturing facility demand planning system that identifies at least the two raw material products and their respective desired quantities; and
calculating demand planning system prices associated with the at least two raw material products by
accessing the quote amounts associated with the products, and
determining the demand planning system prices based on the respective quote amounts associated with the products and their respective desired quantities identified in the product manufacturing facility demand planning system.

13. The computer-implemented method of claim 12, wherein the product manufacturing facility is a semiconductor foundry.

14. The computer-implemented method of claim 12, wherein the quote amounts are stored in respective quotation system database records in a quotation system database.

15. The computer-implemented method of claim 14, further comprising:
storing predetermined information associated with the first raw material product and
second raw material product in respective raw material product database records.

16. The computer-implemented method of claim 15, wherein the quotation system database is updated automatically when the quote amount is changed.

17. The computer-implemented method of claim 15, wherein the facility demand planning system is updated automatically when the quote amount is changed.

18. The computer-implemented method of claim 15, wherein the facility demand planning system is updated automatically when the quotation system database is updated.

19. A computer-readable medium having stored thereon sequences of instruction for responding to a request for linking a semiconductor product manufacturing facility demand planning system with a quotation system, the sequence of instructions including instructions for performing the steps of:

providing the quotation system including at least a first raw material product and its quote amount;

storing the quote amount;

providing the product manufacturing facility demand planning system that identifies at least the first product and desired quantity; and

calculating a demand planning system price associated with the first raw material product by

accessing the quote amount associated with the first raw material product,
and
determining the demand planning system price based on the quote amount
associated with the first raw material product and the quantity
required by the product manufacturing facility demand planning
system to manufacture a finished product.

20. The computer-readable medium of claim 19, wherein the product manufacturing facility is a semiconductor foundry.

21. The computer-readable medium of claim 19, wherein the sequence of instructions further comprises instructions for performing the steps of:
storing the quotation system amount in a quotation system database.

22. The computer-readable medium of claim 21, the sequence of instructions further comprises instructions for performing the steps of:
storing predetermined information associated with the first raw material product in a product database.

23. A system for linking a product manufacturing facility demand planning system with a quotation system, the system comprising:
a quotation system entry device for entering a quotation entry that includes at least two raw materials and their quote amounts;
memory connected to the data entry device configured to receive the quote amounts;
a demand planning system entry device for entering a finished product and required raw material products and desired quantities; and
a price calculator configured to receive the desired quantities of raw materials from the demand planning system entry device, to access the memory to identify the quote

amounts associated with the raw materials, and to calculate a price for the finished product based on the desired quantities and quote amounts of raw materials.

27. The system of claim 26, wherein the product manufacturing facility is a semiconductor foundry.
28. The system of claim 26, wherein the memory comprises
a quotation system database connected to the demand planning system entry device;
a product database configured to receive raw material product information; and
a mapping database that interfaces with both the quotation system database and product database capable of storing information associated with the raw material products.
29. The system of claim 28, wherein the quotation system database additionally comprises
an automatic updating mapping database mechanism which updates the mapping database
when the quotation system database is changed.
30. The system of claim 28, wherein the product database additionally comprises
an automatic updating mapping database mechanism which updates the mapping database
when the product database is changed.
31. The system of claim 26, wherein the quotation system entry device and the demand planning system entry device comprise a single device.
32. The system of claim 31, wherein the single device is a personal data assistant.
33. The system of claim 26, wherein the quotation system entry device is connected to the memory via a wireless connection.

34. The system of claim 26, wherein the demand planning system entry device is connected to the price calculator via a wireless connection.